



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Waheguru Pal Singh

Serial No: NEW

Filed: August 21, 2003

For: Extraction of Metals with
Disquaternary Amines

Mail Stop DD
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

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Group Art Unit:

Examiner: Unknown

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U. S. Postal Service as First Class Mail in an envelope addressed to: Mail Stop DD, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450 on this date below:	
11/13/2003 Date	<i>Jolanda Charles</i> Signature

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of candor and good faith set forth in 37 C.F.R. § 1.56, the Applicant hereby discloses on behalf of individuals associated with the filing and prosecution of the present patent application information that might be material to patentability. This disclosure is presented via the enclosed Form PTO-1449.

This disclosure is not intended to constitute an admission that any information is "prior art" with respect to the presently claimed invention.

Copies of the patents and publications cited among the disclosed information are enclosed herewith, with the exception of U.S. Patents & U.S. Patent Applications the requirement for copies of which has been waived by the Office Notice of July 11, 2003 (*if the present patent application was filed after June 30, 2003*).

In the event a fee is required in connection with the enclosed Information Disclosure Statement, the Commissioner of Patents and Trademarks is authorized to charge Deposit Account No. 50-0714/LYNN/0144.B for the necessary amount.

Respectfully submitted,



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U.S. Department of Commerce, Patent and Trademark Office

Docket No.

Serial No.

LYNN/0144.B

NEW

LIST OF RELEVANT ART CITED BY APPLICANT

Applicant

(Use several sheets if necessary)

Waheguru, Pal Singh

Filing Date

Group

August 21, 2003

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	A	5,165,901	Nov. 24, 1992	Crozier, et al.			
	B	4,571,266	Feb. 18, 1986	Konig, et al.			
	C	4,105,742	Aug. 8, 1978	Edwards, et al.			
	D	4,382,067	May 3, 1983	Richard A. Grant			
	E	4,041,126	Aug. 9, 1977	Baltz, et al.			
	F	4,726,841	Feb. 23, 1988	Grant, et al.			
	G	5,256,187	Oct. 26, 1993	David L. Gefvert			
	H	5,908,814	Jun. 1, 1999	Patel, et al.			
	I	5,380,947	Jan. 10, 1995	Chen, et al.			
	J	5,284,633	Feb. 8, 1994	David L. Gefvert			
	K	6,207,143	Mar. 27, 2001	Lezdey, et al.			
	L	5,478,376	Dec. 26, 1995	Grant, et al.			
	M	4,861,564	Aug. 29, 1989	Julius Rebek			

Foreign Patent Documents

Translation

		Document Number	Date	Country	Class	Subclass	Yes	No

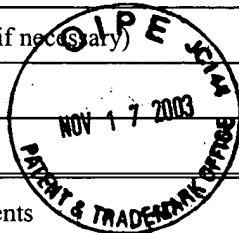
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office	Docket No.	Serial No.
	LYNN/0144.B	NEW
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U.S. Patent Documents

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Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	N	ZA 8006992	Oct. 28, 1981	South Africa				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

O	International Search Report, Application No. PCT/US 03/05444, International Filing Date 2/24/2003, 3 sheets
P	Jan G. H. du Preez, Elmaré S. Herselman, Hans E. Rohwer, and Bennie J.A.M. van Brecht; "Polynitrogen reagents in metal separations. Part 2. Diquaternary ammonium cations as precipitants for cobalt (II) and copper (II) in hydrochloric acid medium"; South African Journal of Chemistry, vol 38, no 2, 1985 pages 49053, XP009016468
Q	J. G. H. du Preez, D. P. Shillington and B.J.A.M. van Brecht; "Polynitrogen Reagents in Metal Separation. Part 1. Diteritary and Diquaternary Ammonium Extractants for Cobalt (II) and Copper (II) in HCl Medium"; Solvent Extraction and Ion Exchange, vol 2 no 6, 1984 pages 839-858, XP009016470
R	XP 002253113, Database CA Online, chemical Abstracts Service, Columbus, Ohio, US; Du Preez, Jan Gysbert Hermanus; "Organic diammonium and related compounds as solvent extractants", retrieved from STN data base accession no 97: 42075

Examiner	Date Considered
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